Listing of the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

1. (Previously Presented) A method of forming a plurality of two-way beams using a transmit and receive system, the method comprising:

controlling a transmit antenna array of the transmit and receive system to provide a plurality of transmit beams;

simultaneously forming a first plurality of receive beams via a beamformer network;

controlling a switched beam combining circuit of a receive antenna array of the transmit and receive system to form a second plurality of receive beams wherein the controlling comprises combining selected ones of the formed beams via a switch network; and

combining predetermined ones of the plurality of transmit beams and predetermined ones of the second plurality of receive beams to form the plurality of two-way beams.

2. (Previously Presented) The method of claim 1, wherein controlling the transmit antenna array includes controlling a beam switching system coupled to the transmit antenna array to provide the plurality of transmit beams.

3. (Previously Presented) The method of claim 1, wherein controlling the switched beam combining circuit of the receive antenna array includes controlling a plurality of single-pole, multi-throw switches to provide the second plurality of receive beams.

4. (Previously Presented) The method of claim 1, wherein combining includes combining a first transmit beam of the plurality of transmit beams with at least one of the

second plurality of receive beams to provide a first one of the plurality of two-way beams.

5. (Previously Presented) The method of claim 4, wherein combining further includes combining the first transmit beam of the plurality of transmit beams with a second receive beam of the plurality of receive beams to provide a second one of the plurality of two-way beams.

6. (Previously Presented) The method of claim 5, wherein combining further includes combining a second transmit beam of the plurality of transmit beams with the second receive beam of the plurality of receive beams to provide a third two-way beam of the plurality of two-way beams.

7. (Previously Presented) The method of claim 6, wherein combining further includes combining the second transmit beam of the plurality of transmit beams with a third receive beam of the plurality of receive beams to provide a fourth two-way beam of the plurality of two-way beams.

8. (Previously Presented) The method of claim 7, wherein combining further includes combining the second transmit beam of the plurality of transmit beams with a fourth receive beam of the plurality of receive beams to provide a fifth two-way beam of the plurality of two-way beams.

9. (Previously Presented) The method of claim 8, wherein combining further includes combining a third transmit beam of the plurality of transmit beams with the fourth receive beam of the plurality of receive beams to provide a sixth two-way beam of the plurality of two-way beams.

10. (Previously Presented) The method of claim 9, wherein combining further includes

combining the third transmit beam of the plurality of transmit beams with a fifth receive beam of the plurality of receive beams to provide a seventh two-way beam of the plurality of two-way beams.

11. (Previously Presented) The method of claim 10, wherein combining further includes combining the third transmit beam of the plurality of transmit beams with a sixth receive beam of the plurality of receive beams to provide an eighth two-way beam of the plurality of two-way beams.

12. (Previously Presented) The method of claim 11, wherein combining further includes combining a fourth transmit beam of the plurality of transmit beams with the sixth receive beam of the plurality of receive beams to provide a ninth two-way beam of the plurality of two-way beams.

13. (Previously Presented) The method of claim 12, wherein combining further includes combining the fourth transmit beam of the plurality of transmit beams with a seventh receive beam of the plurality of receive beams to provide a tenth two-way beam of the plurality of two-way beams.

14. (Previously Presented) The method of claim 4, wherein combining further includes combining a second transmit beam of the plurality of transmit beams with the first receive beam of the plurality of receive beams to provide a second two-way beam of the plurality of two-way beams.

15. (Previously Presented) The method of claim 14, wherein combining further includes combining the second transmit beam of the plurality of transmit beams with a second receive beam of the plurality of receive beams to provide a third two-way beam of the plurality of two-way beams.

16. (Previously Presented) The method of claim 15, wherein combining further includes combining a third transmit beam of the plurality of transmit beams with the second receive beam of the plurality of receive beams to provide a fourth two-way beam of the plurality of two-way beams.

17. (Previously Presented) The method of claim 16, wherein combining further includes combining the third transmit beam of the plurality of transmit beams with a third receive beam of the plurality of receive beams to provide a fifth two-way beam of the plurality of two-way beams.

18. (Previously Presented) The method of claim 17, wherein combining further includes combining a fourth transmit beam of the plurality of transmit beams with the third receive beam of the plurality of receive beams to provide a sixth two-way beam of the plurality of two-way beams.

19. (Previously Presented) The method of claim 18, wherein combining further includes combining the fourth transmit beam of the plurality of transmit beams with a fourth receive beam of the plurality of receive beams to provide a seventh two-way beam of the plurality of two-way beams.

20. (Cancelled).